VF10 2019

# VIBRA SCREW INC. VersiFeeder



## VersiFeeder Volumetric Feeder



Standard VersiFeeder



Mini VersiFeeder, 1.0 ft<sup>3</sup> hopper

#### Modular Design \_

The Vibra Screw VersiFeeder is the first volumetric feeder with modular design, enabling a single unit to adapt to the broadest range of feeding applications.

- A Standard Feeder, with static hopper, trough and feed screw for free-flowing materials.
- An Agitator Conditioner Feeder, with secondary trough conditioning screw for semi-free flowing materials.
- A Vibrated Feeder, using Vibra Screw's controlled vibration design for non-flowing materials.

The Versifeeder permits selection of the most economical design required for a specific application, with the unequaled ability to upgrade the design as materials or characteristics change. You'll always achieve accuracies of ± 1-2% whether with pellets, flakes, powders or fibers.

#### Standard or Sanitary from 0.14 to 600 ft<sup>3</sup>/hr

The Versifeeder is available in screw sizes from 1" to 6" and sanitary construction in all sizes. Whether you feed chemicals, foods or pharmaceuticals, Versifeeder's wide range of models and options meet the need.

#### Easy Clean, Tool-Less, Rear Seal Removal

The Vibra Screw Versifeeder offers optional rear screw removal, permitting cleaning and screw size changes away from the process side. Disassembly is accomplished without tools and in a mater of minutes. All driveline components, gaskets and seals maintain their alignment and integrity during disassembly and reassembly. The screw can also be removed from the front if desired.

Material fills the screw flights in the trough area

- discharge end.

error and greatly enhances accuracy.



Sanitary VersiFeeder

Trough Cover, no hopper



5 ft<sup>3</sup> hopper

free standing 8 ft<sup>3</sup> hopper

**Bag Dump Station** 

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MINI VerslFeeder 1.0 ft<sup>3</sup> capacity hopper Screw Sizes from 1/4" to 1.0"



SCREW SIZE	DIM "A"		
1/4"	3/8"		
3/8"	5/8"		
1/2"	3/4"		
5/8"	7/8"		
3/4"	1.050"		
1.0"	1.25"		

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# MINI VerslFeeder 1/4 ft<sup>3</sup> capacity hopper Screw Sizes from 1/4" to 0.75"



EW SIZE	VOLUMETRIC RATE CAPACITY
1/4"	0.00037 to 0.037 ft <sup>3</sup> /hr
3/8"	0.01 to 0.10 ft <sup>3</sup> /hr
1/2"	0.024 to .24 ft <sup>3</sup> /hr
5/8"	0.052 to 0.52 ft <sup>3</sup> /hr
3/4"	0.1 to 1.0 ft <sup>3</sup> /hr
1.0"	0.28 to 2.80 ft <sup>3</sup> /hr

### VersiFeeder 1.5 to 5 ft<sup>3</sup> capacity hopper <u>Screw Sizes from 1.0" to 6.0"</u>



VERSIFEEDER DIMENSIONS and FEED RATES									
Screw dia	"A" O.D	"B"	"C"	"F"	"G"	"H"	FT3/Hr	M3/Hr	
1"	1 1/2"	81/4"	27"	40 3/8"	48 3/8"	18 1/2"	2.8	0.1	
1 1/2"	2"	8 1/4"	27"	40 3/8"	48 3/8"	18 1/2"	8.8	0.2	
2"	2 1/2"	81/4"	27"	40 3/8"	48 3/8"	18 1/2"	23	0.6	
3"	3 1/2"	14	27"	40 3/8"	48 3/8"	18 1/2"	74	2.0	
4"	4 1/2"	14"	27"	40 3/8"	48 3/8"	18 1/2"	200	6.0	
6"	6 5/8"	18"	33"	36 3/8"	40"	24 1/2"	600	17.0	

#### **Contact Materials**

- · Carbon Steel
- 304 or 316 Stainless Steel
- Special Alloys

#### Coatings

Standard external-enamel

- Optional external
- epoxy
- · Corrosion resistant paints
- Customer specified paint Standard Internal uncoated
- or machinery enamel
- Optional internal
- Epoxy paint
- Teflon coating
- · Customer specified

#### **SPECIFICATION**

#### Food Grade Applications

Standard:

- · All internal seams continuously welded
- All welds gound smooth
- All internal surfaces polished, #4 finish
- Food grade gaskets and seals
- Material contact zone covers & frames equipped with quick disconnect fasteners for ease of cleaning

#### **Optional Features/Equipment**

- Vibrator on feed trough
- · Conditioning screw in feed trough
- Hopper Cover with inlet opening and vent stub
- Feed Tube Down Spout

#### Drives

- Standard
- DC/ SCR TEFC 115/1/60
- AC Inverter Duty / VFD 460/3/60
  Optional
- · Analog Signal

#### Enclosures

Standard: TEFC Optional:

- Explosion Proof
- Chemical Duty
- Customer Specified



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## THE VIBRA SCREW GUARANTEE

If your Vibra Screw equipment doesn't perform in the service for which it was sold, we'll refund your money. Ask any other equipment manufacturer to put that in writing.

#### No time limits. No conditions.